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ABSTRACT

A method for monitoring performance of an advanced process control system for at least one process output includes calculating a variance of a prediction error for a processing performance and/or a probability for violating 5 specification limits of the processing performance of the at least one process output. If the variance of the prediction error is calculated, the method also includes calculating a model health index. If the probability for violating specification limits is calculated, the method further includes calculating a process health index.